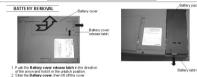
220/440/460/470/480 Series



3. Push back the Battery latch, then it out the Battery. OPTIONAL PCMCIA CARD REMOVAL







Battery pack

- 5. Remove one M2x3 silver screw securing the PC card slot cover
- Make sure the eject buttons are pulled out Release two latches and remove the PC card cover.

TOSHIB/ Tough Enough for Today's World.

220/440/460/470/480 Series

FDD/CD-ROM REMOVA

Elect notch



FDD or CD-ROM

Selectable Bay loci

Bay case

FDD/CD/ROW

- Selectable Bay cas 3. Slide the FDD/CD-ROM out, then lift it out Remove the FDD/CD-ROM from the Selectable
- 1. Side the Selectable Bay lock in the direction of the
- arrowto unlock the FDD/CD-ROM 2. Slip a coin into the eject notch and twist to disconnect

HDD REMOVAL





(hidden) HDD slot cover

HDD over

1. Remove one M2x6 silver screw 2. Lit up the HDD slot cover and remove it. 3. Grasp the HDD case and gently pull it out.

TOSHIBA Tough Enough for Today's World.

Satellite/Satellite Pro™

220/440/460/470/480 Series





- 1. Remove two MPx6 silver acrews from the fort of the computer
- 2. Turn the computer rightside up and open the display
- 3. Pull the palm rest to the front of the computer then lift up the palm rest





- L. Rubber Bar Membrane syitch cable
 - 1. Carefully pull on the left rubber bar to remove it from the grove on the palm rest Disconnect the membrane switch cable from PJ26.
 - 3. Carefully pull on the right nubber bar to remove it from the grove on the palm rest.

- 12x6 silver screws
 - DA8 Module
- 1. Remove three M2x6 silver screws securing the modern shield and modern
- 2. Remove two M2x6 silver screws securing the 3. Disconnect the Modern board from PJ16 on the system board and lift out the modern board and the DAA module

COSHIE Tough Enough for Today's World.

Satellite/Satellite Pro™ 220/440/460/470/480 Series

DISPLAY and KEYBOARD ASSEMBLY

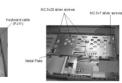




1. Release five latches securing the Keyboard Brace

- 1. Turn the computer upside down and remove two M2.5x7 silver screws and two M2.5x30 silver
- 2. Turn the computer rightside up and open the

Display



and lift it out.

1. Lift out the Keyboard to access the Keyboard cable. 2. Disconnect the Keyboard cable from PJ11 and remove the keyboard

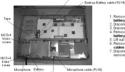
Keyboard

1. Remove three M2.5x20 silver screws and one M2.5x7 silver screw securing the metal plate 2. Rotate the right edge of the metal plate up slightly

TOSHIBA Tough Enough for Today's World.

220/440/460/470/480 Series

RTC. BACKUP BATTERY and MICROPHONE RTC Battery cable (PJ1-8)



hattery cables 2. Disconnect the RTC battery cable from P.S.

- 1. Remove the tape on the RTC and Backup 3. Disconnect the Backup battery cable from PJ14 4. Remove two M2.5x4 trass screws securing the battery holder and lift it out
 - 5. Lift out the RTC and Backup batteries 6. Remove the tape covering the microphone and audio cables and connectors
 - 7. Disconnect the microphone cable from PJ18 and remove the microphone

DISPLAY ASSEMBLY REMOVAL

Uspe Later Cestional memory socket Hay shade

rotate the cover with the display assembly slightly

Lated MD Sed

1. Disconnect the LCD cables and FL cable Note: Never remove connector by pulling on the cable 2. Tilt the front edge of the upper cover upward so that the USB port is not caught on the rim of the 3. Lift off the upper cover with the display assembly.

1. Remove three N2.5x6 brass screws from the form edge of the upper cover. Remove the ground shield 2. Remove three Hex study and one M2.5x4 brass corresponding hole of the upper cover 3. Release two latches securing the upper cover and

TOSHIBA

Tough Enough for Today's World.

Satellite/Satellite Pro™ 220/440/460/470/480 Series

USB PORT and SPEAKERS



USB bloard MEN Silver Screens

Note: The USB and system boards are shipped as one complete module. There is no need to separate these two modules

SYSTEM ROADD hattery cable

giver screw M 2.5v7 M2x6~

Note1: Before seating the system board, make sure the P.C. card eied buttons are pushed in and aligned with the PC card cover assembly and functional Note 2. Since the PCB is fragile around the audio ports. care should be taken when removing or installing the system board

Speake

USB por

- 1. Remove the Ground shield covering the system board and keep for reassembly 2. Remove four pieces of tape securing the speakers and speaker/power supply cables
 - 3. Disconnect the smeaker cables from P.122 and remove the speakers.
- 1. Disconnect the Select Bay battery cable from PJ15. Remove two M2.5x7 screws securing the speaker tray. 3. Press power button then lift out the speaker tray and
 - stud at an angle so the power switch is not caught on the corresponding hale of the bottom cover
- 4. Disconnect the CD audio cable forn PJ20 5. Remove two M2.5x20 screws and two M2x6 SCEENS
- 6. Carefully pull the rear edge of the system board up and disconnect PJ13 on the system board from P.JS01 on the PS hoard
- 7. Lift out the system board from the bottom cover

Note 3: The system board and power supply connect on the underside, so gently push down around the white arrow until both boards snap together

TOSHIBA Tough Enough for Today's World

220/440/460/470/480 Series

Powe

(excluding 4705-800 only

COOLING FAN



M2.5x6 screw./ 1. Remove two M2.5x6 screws securing the cooling fan.

2. Turn the system board rightside up and disconnect the fan cable from PJ1 3. Remove the cooling fan from the system board Note: The cooking fan is not part of the system board and should not be returned with the defective

system boards DISPLAY MASK



- 1. Reserve mask seal and name seal at the hinner to expose two M2.5x7 silver screws securing the display mask
- 2. Remove the two M2.5x7 silver acrews that were covered by the seals
- 3. A total of 18 snaps secure the display mask Carefully insert your fingers between the mask and the LCD panel and pry open the snaps. Start with six space across the top of the display mask

PS BOARD



cable

Remove the insulator Rotate the edge of the HDD slot cover up slightly

3. Disconnect the power supply cable from P JS10 4. Disconnect the second battery cable from PJS09 Disconnect the Sidectable Bay cable from PJ508. 6 Lift out the cable holder with the Selectable Bay

- second battery and CD audio cables 7. Lift out the PS board at an angle so the DC-IN. PS/2 mouse/keyboard and external FDD ports are not caught on the corresponding holes on the
- 8. Remove two M2x4 screws and separate the



1. Continue unsnapping the mask along the sides (4 snaps on each side), at the bottom (2 snaps)

COSHIB/ Tough Enough for Today's World

Satellite/Satellite Pro™

220/440/460/470/480 Series



- Remove two M2.5x7 silver screws securing the FL inverter board.
- Carefully rotate the FL inverter board out from right to left and disconnect the FL inverter cable from CH1 and the HV cable from CH2.
- and the HV cable from CR2.

 3. Remove one M2.5x4 silver screw securing the
- contrast board. ON CDS MODELS ONLY!

 4. Disconned the contrast board cable from PJ1 on
 - the contrast board and lift out the board.

 5. Remove four M2.5x7 silver screws securing the LCB
- module to the LCD cover.

 6. Carefully rotate the LCD module from right to left.
- Carefully rotate the LCD module from right to let out of the LCD cover.

 Disconnect the LCD cable from the LCD module and remove the LCD from the computer.

TOSHIBA Tough Enough for Today's World.